

## 9 BY 9 MATHDOKU (MEDIUM NO. 14)

FILL THE GRID WITH THE NUMBERS 1 TO 9 IN SUCH THAT EACH NUMBER APPEARS ONLY ONCE IN EACH ROW AND COLUMN. THE MATHDOKU GRID IS ALSO DIVIDED IN OUTLINED REGIONS CALLED CAGES EACH WITH A GIVEN OPERATOR AND TARGET NUMBER. THE NUMBERS IN THE INDIVIDUAL CELLS OF A CAGE MUST PRODUCE THAT TARGET NUMBER USING THE OPERATOR IN A MATHEMATICAL CALCULATION.

	2÷		81×	14+		16+	
			-	9+		10+	
4÷		2÷	14+		$\top$		4-
15 ×		┥	2÷		10+	72×	
1–	11+		42×	5+			
	16+	7+			15+		
			56×		21×	16+	
3-	18 ×		24×		1	1	72×
	13+			4-		┥	
	15× 1-	4÷ 15× 1− 11+ 16+ 3− 18×	$4 \div$ $2 \div$ $15 \times$ $2 \div$ $1 11+$ $1 16+$ $7+$ $3 18 \times$	Image: second symbol 1       Image: second symbol 1       Image: second symbol 1 $4 \div$ Image: second symbol 1       Image: second symbol 1       Image: second symbol 1 $1-$ Image: second symbol 1       Image: second symbol 1       Image: second symbol 1       Image: second symbol 1 $1-$ Image: second symbol 1       Image: second symbol 1       Image: second symbol 1       Image: second symbol 1 $1-$ Image: second symbol 1       Image: second symbol 1       Image: second symbol 1       Image: second symbol 1 $1-$ Image: second symbol 1       Image: second symbol 1       Image: second symbol 1       Image: second symbol 1 $1-$ Image: second symbol 1       Image: second symbol 1       Image: second symbol 1       Image: second symbol 1 $1-$ Image: second symbol 1       Image: second symbol 1       Image: second symbol 1       Image: second symbol 1 $1-$ Image: second symbol 1       Image: second symbol 1       Image: second symbol 1       Image: second symbol 1       Image: second symbol 1 $1-$ Image: second symbol 1       Image: second symbol 1	Image: second symbol symbo	Image: state of two states of two stwo states of two states of two states of two	Image: Normal stateImage: Normal stateImage: Normal stateImage: Normal stateImage: Normal state $4 \div$ $2 \div$ $14 +$ Image: Normal stateImage: Normal stateImage: Normal state $15 \times$ $2 \div$ $14 +$ Image: Normal stateImage: Normal stateImage: Normal state $15 \times$ Image: Normal state $2 \div$ Image: Normal stateImage: Normal stateImage: Normal state $1 11+$ Image: Normal state $2 \div$ Image: Normal stateImage: Normal stateImage: Normal state $1 16+$ $7+$ Image: Normal stateImage: Normal stateImage: Normal stateImage: Normal state $1 16+$ $7+$ Image: Normal stateImage: Normal stateImage: Normal stateImage: Normal state $1 16+$ $7+$ Image: Normal state $16+$ Image: Normal stateImage: Normal state $3 18 \times$ $24 \times$ Image: Normal stateImage: Normal stateImage: Normal state

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## ANSWERS

5	7	4	2	3	8	6	9	1
7	2	8	3	9	5	4	1	6
6	4	1	8	5	9	2	7	3
8	5	3	4	2	1	9	6	7
9	8	6	5	7	2	1	3	4
4	9	7	1	6	3	5	8	2
2	1	9	6	8	7	3	4	5
1	3	2	9	4	6	7	5	8
3	6	5	7	1	4	8	2	9

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